

GOAL 1- CORE MISSION:

Deliver real results to provide Americans with clean air, land, and water.

OBJECTIVE 1.1-IMPROVE AIR QUALITY:

Work with states to accurately measure air quality and ensure that more Americans are living and working in areas that meet high air quality standards.

2015 Ozone Standard Designations

On November 6, 2017, EPA designated much of the country as 'attainment/unclassifiable.' In Region 6, Arkansas and Quapaw Tribe of Indians (Oklahoma) were designated without any exceptions as attainment/unclassifiable for the 2015 ozone standard. A few areas associated with violating monitors were not addressed in the November 6 action. These areas will be addressed in a separate future action.

For these areas, the States made the following recommendations: Louisiana recommended the five-parish Baton Rouge area as nonattainment; New Mexico recommended a portion of Southern Doña Ana County as nonattainment and Texas recommended 8 counties in the Houston area, 11 counties in the Dallas/Fort Worth area, Bexar County in the San Antonio area and El Paso County as nonattainment.

In the November 6, 2017 action, EPA designated about 90 percent of the country for meeting the 2015 ground-level ozone standards consistent with the states' and tribes' recommendations. EPA found that most areas of the country -- 2,646 of the more than 3,100 counties in the United States -- meet the standards for ground-level ozone. These areas do not have any increased compliance burdens.

In the spirit of cooperative federalism, EPA will continue to work with states and the public to help areas with underlying technical issues, disputed designations, and/or insufficient information. Additionally, EPA modeling, state agency comments, and peer-reviewed science indicate international emissions and background ozone can contribute significantly to areas meeting attainment thresholds. The agency intends to address these areas in a separate future action. For the remaining areas, EPA is not extending the time provided under section 107 of the Clean Air Act.

1-hour Sulfur Dioxide Designations

Under court order, the EPA must issue final area designations for round 3 sources under the 2010 Primary National Ambient Air Quality Standard for sulfur dioxide by December 31, 2017. Round 3 sources are those where States have chosen to use modeling to characterize air quality in the vicinity of sources with emissions greater than 2000 tons/year. The Agency is responding to state, territorial, and tribal recommendations for the third round of area designations by indicating anticipated area designations.

On August 22, 2017, EPA Regional Administrators sent letters to Governors and Tribal leaders informing them of our intended area designations for the 2010 Primary National Ambient Air Quality Standard for sulfur dioxide. Based on state recommendations nationwide, ten areas were identified that may be violating the 2010 primary sulfur dioxide standard in the third round of designation. Evangeline Parish, Louisiana was included. These letters start a 120-day period during which states, territories, and the tribes are invited to provide additional information before final designations must occur. EPA asked that states, territories and tribes to send EPA any additional information by October 23, 2017.

On June 2, 2010, the EPA revised the primary sulfur dioxide National Ambient Air Quality Standard by establishing a new 1-hour standard at a level of 75 parts per billion. The promulgation of a new or revised National Ambient Air Quality Standard triggers the designations process. Two rounds of designations were previously completed in July 2013 and June 2016. In Arkansas, Independence and Jefferson Counties were designated in previous actions. In Texas, Atascosa, Fort Bend, Goliad, Lamb, Limestone, McLennan, and Robertson Counties and portions of Anderson, Freestone, Panola, Rusk, and Titus Counties were designated in previous actions. In Oklahoma, Choctaw and Noble Counties. No areas in New Mexico were previously designated. In Louisiana, Calcasieu, Desoto and St. Bernard Parishes were designated in previous actions.

There are areas surrounding 13 emission sources in Arkansas, Louisiana, Oklahoma, New Mexico, and Texas that must be designated by December 31, 2017. EPA received modeling from the states for the areas surrounding 9 of the sources. Louisiana did not submit modeling for three sources in St. Mary Parish. One source located in Louisiana took federally enforceable SO₂ emission limits, but did not submit modeling analyses.

PM₁₀ Exceptional Event Demonstration from City of Albuquerque

The City of Albuquerque is scheduled to submit documentation by December 18, 2017 to support an exceptional event demonstration for five exceedances at two air particulate monitors for EPA approval. The city believes the occurrences were caused by high wind events in the area.

Under federal law, EPA may be requested to exclude data which is the result of an exceptional event from use in regulatory determinations concerning area attainment. In order to attain the National Ambient Air Quality Standard (NAAQS) for particulate matter with diameters that are generally 10 micrometers or smaller (PM₁₀), an air quality monitor cannot measure levels of PM₁₀ greater than 150 micrograms per cubic meter (ug/m³) more than once per year on average over a consecutive three-year period.

The New Mexico Environment Department has authority over air quality in all areas of New Mexico except for Bernalillo County and Tribal Lands. The City of Albuquerque/Bernalillo Air Quality Control Board regulates businesses located in Bernalillo County and EPA regulates air quality issues on Tribal Lands. City of Albuquerque operates four PM₁₀ monitors at three sites.

8-hour Ozone Exceptional Event Request for El Paso, Texas

Texas has requested EPA make a final decision on the documentation to support an exceptional event demonstration for an exceedance at an air quality monitor in El Paso before the remaining 2015 ozone designations are made.

On November 6, 2017, EPA designated about 90 percent of the country for meeting the 2015 ground-level ozone standards consistent with the states' and tribes' recommendations. The remaining areas will be addressed in a separate future action.

On September 27, 2016, the Texas Commission on Environmental Quality submitted documentation to support an exceptional event exceedance demonstration. The states' exceptional events demonstration package cites wildfires in Arizona as cause of the exceptional event. The state requested EPA's

concurrence that an exceedance of the air quality 8-hour ozone concentration value on June 21, 2015, at the University of Texas at El Paso monitor was due to wildfires in Arizona.

Under federal law, EPA allows for high concentrations associated with exceptional events, such as wildfires, to be set aside and not used in design value calculations or for attainment determinations. In order to attain the National Ambient Air Quality Standard for ozone, an air quality monitor the average of fourth high value measured each year for three years cannot be greater than 70 parts per billion (ppb).

EPA relies on three years of certified air monitoring data to support its designation decision. Currently, attainment designations are based on 2014 – 2016 air monitoring data. El Paso would measure attainment with the ozone standard if the exceptional event is approved. Nearby monitors in Sunland Park New Mexico, however, would still be in violation of the National Ambient Air Quality Standard.

Texas BART Federal Implementation Plan

EPA and the state of Texas formalized a memorandum of agreement to reduce red tape so the state can submit a state implementation plan early next year, which, if approved by EPA, would replace, the Federal Implementation Plan.

On September 9, 2017, EPA partially approved the Texas Clean-air Plan for Regional Haze and Interstate Visibility Transport and finalized a Federal Implementation Plan for a best available retrofit technology alternative that includes an intrastate trading program for sulfur dioxide. The Federal Implementation Plan implements a cap on emissions from eight owner-operated power plants.

The EPA was under two court orders on Texas Regional Haze and Interstate Visibility Transport to take final actions by no later than September 30, 2017. Parties were unable to agree to additional time needed for Texas to submit a State Implementation Plan and complete public notice and public participation before the deadline. EPA and Texas' joint attempt for an extension with the court was unsuccessful. The federal plan will provide additional flexibility and allowances to sources in Texas.

EPA approved Texas' determination that its EGUs are not subject to best available retrofit technology for Particulate Matter PM, and finalized its proposed finding that nitrogen oxide (NOx) best available retrofit technology is met by participation in Cross-State Air Pollution Rule, as updated. To address the sulfur dioxide (SO₂) best available retrofit technology requirements for electric-generating units in Texas, this action establishes intrastate trading program provisions. Trading program provisions include a Supplemental Allowance pool to provide additional flexibility and allowances to sources unable to remain below their allocation level. The trading program includes provisions for additional sources to opt-in.

Arkansas Regional Haze Federal Implementation Plan

EPA anticipates the State of Arkansas' formal submission of a Regional Haze State Implementation Plan shortly. EPA is working with the State of Arkansas to establish an agreeable process and milestones to replace EPA's Federal Implementation Plan with an approvable State Implementation Plan by mid-July 2018.

On October 31, 2017, the Arkansas Department of Environmental Quality proposed revisions to the State's Regional Haze SIP for public notice in Arkansas. The proposed revisions included Best Available

Retrofit Technology eligible sources and subject-to-BART Sources, particulate matter and sulfur dioxide requirements for Arkansas power plants, compliance dates, reasonable progress goals, and long-term strategy. The Arkansas Department of Environmental Quality will hold a public hearing on Tuesday, January 2, 2018 and will accept written and electronic comments.

On August 31, 2016, EPA promulgated a final Federal Implementation Plan that established sulfur dioxide, nitrogen oxide, and particulate matter emission limits for 11 units at seven facilities in Arkansas under the Regional Haze Rule. The Federal Implementation Plan was promulgated to correct certain portions of the Arkansas Regional Haze State Implementation Plan, which EPA partially disapproved in an action finalized on March 12, 2012.

In November 2016, EPA received petitions for reconsideration from the State of Arkansas as well as four industry parties. Five parties also filed petitions for judicial review of certain parts of the Federal Implementation Plan. The State of Arkansas and other parties to the litigation have expressed interest in settlement discussions/negotiations. To facilitate settlement discussions, EPA sent letters to the petitioners communicating our intent to grant a 90-day administrative stay and partial reconsideration of (1) the SO₂ controls for the White Bluff Power Plant, (2) the form and compliance date of NO_x controls for White Bluff Power Plant, Independence Power Plant, and Flint Creek Power Plant, and (3) reconsideration of the compliance date for SO₂ controls for the Independence Power Plant. Settlement discussion with the State and other petitioners have not been fully successful.

EPA and DOJ are continuing settlement discussions with the State and other petitioners while parallel processing the State Implementation Plan.

OBJECTIVE 1.2-PROVIDE FOR CLEAN AND SAFE WATER:

Ensure waters are clean through improved water infrastructure and, in partnership with the states and tribes, sustainably manage programs to support drinking water, aquatic ecosystems, and recreational, economic, and subsistence activities.

RESTORE Council

USDA had been serving as Chair since March 2016, but stepped down in late September, 2017. The Act requires the States to recommend a Chair from the Federal members of the Council, which is then followed by the President designating a Chair. The five Gulf states voted unanimously on November 28, 2017 to recommend EPA as Chair. EPA's Gulf of Mexico Program provides key leadership to the Council's Steering Committee and workgroups, and is implementing projects across the Gulf Coast region.

Spurred by the Deepwater Horizon oil spill, the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act (RESTORE Act) was signed into law on July 6, 2012. The RESTORE Act calls for a regional approach to restoring the long-term health of the valuable natural ecosystem and economy of the Gulf Coast region. The RESTORE Act dedicates 80 percent (\$5.5B) of civil and administrative penalties paid under the Clean Water Act, after the date of enactment, by responsible parties in connection with the Deepwater Horizon oil spill to the Gulf Coast Restoration Trust Fund for ecosystem restoration, economic recovery, and tourism promotion in the Gulf Coast region. This effort is in addition to the restoration of natural resources injured by the spill that is being accomplished through a separate Natural Resource Damage Assessment (NRDA) under the Oil Pollution Act. A third and related Gulf restoration effort is being administered by the National Fish

and Wildlife Foundation using funds from the settlement of criminal charges against BP and Transocean Deepwater, Inc.

In addition to creating the Trust Fund, the RESTORE Act established the Gulf Coast Ecosystem Restoration Council. The Council includes the Governors of the States of Alabama, Florida, Louisiana, Mississippi and Texas, the Secretaries of the U.S. Departments of Agriculture, the Army, Commerce, Homeland Security, and the Interior, and the Administrator of the U.S. Environmental Protection Agency. The Council is leading projects valued at \$8.8M to work with local stakeholder groups to achieve near-term, on-the-ground ecosystem and economic benefits, while also conducting planning activities designed to build a foundation for future success.

The April 2010 Deepwater Horizon oil spill in the Gulf of Mexico was the largest oil spill in U.S. history. In 2016 the United States (including EPA), the five Gulf States, and BP entered into a \$20 billion Consent Decree resolving claims for federal civil penalties and natural resource damages related to the spill.

In April 2016 EPA and the other Natural Resource Damage Assessment Trustees published a Programmatic Damage Assessment and Restoration Plan and work has begun on several tiered restoration plans to restore wildlife and habitat and increase recreational opportunities.

Under the Consent Decree, BP must pay up to \$8.8 billion in natural resource damages. The Natural Resource Damage Assessment federal trustees – NOAA, DOI, EPA, and USDA – and the five Gulf state trustees are jointly responsible for these funds and will use them to restore natural resources injured in the spill. EPA provides necessary and valuable expertise in water quality, nonpoint source nutrient and stormwater pollution, and wetlands. The Natural Resource Damage Assessment restoration work is expected to last 15-20 years.

The EPA Office of Water has been leading Natural Resource Damage Assessment work and coordinates with the Gulf of Mexico Program and Regions 4 and 6. The current allocation for EPA Natural Resource Damage Assessment efforts over the next year is approximately \$1 million. Work is carefully tracked, charged, and subject to independent audits

Lake Pontchartrain Basin Restoration Program

Unresolved costs for a federal grant has prevented the University of New Orleans Research and Technology Foundation from receiving Fiscal Year 2017 funding to administer the Lake Pontchartrain Basin Restoration Program.

A 2016 internal audit found that EPA failed to administer certain amendments to the Federal Water Pollution Control Act for grants awarded to the University of New Orleans Research and Technology Foundation resulting in over \$410,000 in unresolved match costs.

The Lake Pontchartrain Basin Restoration Act of 2000 authorized by Congress under an amendment to the Federal Water Pollution Control Act, recognized the national significance of the Lake Pontchartrain; however, it has not been officially designated as a member of the National Estuary Program. The program has helped to restore the ecological health of the basin by developing and funding restoration projects and related scientific and public education projects. The University of New Orleans has received federal grant to administer the program and award sub-grants to the 16 parishes surrounding the basin for restoration projects and studies. As a part of an effort strengthening grant programs oversight, an

internal review of the program by the Office of Grants and Debarment and Region 6 in 2016 revealed that an amendment to the Federal Water Pollution Control Act in 2011 (enacted December 2012) increased the statutory match for the PRP from 5% to 25%, which created a match deficit totaling \$410,960 for FY13 and FY15 grants. EPA is unable to waive match required by statute. The review also determined that UNORTF was incorrectly using a 4% "Management Fee" to recover costs for its administration of the Pontchartrain program, which is not in accordance with EPA policy and grant regulations.

EPA and University of New Orleans have been reconciling documentation to account for any unreported match for Fiscal Years 2007-15 to help reduce or close the match deficit. University of New Orleans submitted an indirect cost rate proposal to EPA in order to properly account for administrative costs. EPA is reviewing the submittal and a decision is expected in 2018. An approved indirect cost rate proposal may be sufficient to meet the remaining match deficit, thereby allowing the Region to award FY17 funds.

The 2012 Pontchartrain Amendment also re-authorized the Program until the end of fiscal 2017. To-date there has not been another Congressional reauthorization specific to Lake Pontchartrain Basin Restoration Program. EPA is currently researching whether the 2016 Reauthorization of the National Estuaries Program (NEP) also reauthorizes the Pontchartrain Program. If it is determined that Pontchartrain is covered by this Reauthorization, the federal and local cost share would increase to a 50-50 share starting in fiscal 2018. The program participants may experience hardship coming up with an increase match requirement as mandated by statute.

Urban Waters Small Grant Program

On September 27, 2017, the Urban Waters Federal Partnership was one of two EPA winners of the 2017 Samuel J. Heyman Service to America Medals, better known as the "Sammies." The EPA Urban Waters Federal Partnership got the most votes from the public in the People's Choice category for their work on creating public-private partnerships to clean up urban waterways and surrounding lands, which will help spur economic development and revitalize communities.

The Sammies are awarded annually by the Partnership for Public Service, and are designed to highlight excellence in our federal workforce and inspire other talented and dedicated individuals to go into public service.

The Urban Waters Federal Partnership reconnects urban communities with their waterways by improving coordination among federal agencies and collaborating with community-led revitalization efforts to improve our Nation's water systems and promote their economic, environmental and social benefits. Healthy and accessible urban waters can help grow local businesses and enhance educational, recreational, social and employment opportunities in nearby communities. The Urban Waters Federal Partnership is co-lead by the Department of Interior, Department of Agriculture, and the Environmental Protection Agency (EPA), along with ten other federal agencies.

The Urban Waters Small Grants Program, an EPA-led grants program, is expanding the ability of communities to engage in activities that improve water quality in a way that also advances community priorities. Since the inception of the Urban Waters Small Grants Program in 2012, Region 6 has awarded

over \$990,000 in grants to fourteen organizations across the Region, funding a wide range of projects that help protect and restore Urban Waters.

Corpus Christi Sanitary Sewer Overflows

The Region referred enforcement case to the U.S. Department of Justice in August 2011 to address unauthorized sanitary sewer overflows and effluent discharges in violation of the Clean Water Act. The case is pending.

The EPA, Department of Justice, and the State of Texas have been near a settlement with the City of Corpus Christi on several occasions but local elections and changes in city management have often delayed progress. On August 21, 2017, the Department of Justice notified the City of its intention to filing the case in court at the end of September. As a result of Hurricane Harvey making landfall on August 26 near Corpus Christi as a category 4 hurricane, the Department of Justice, EPA and the City of Corpus Christi agreed to suspend the deadline for the conclusion of negotiations previously set for the end of September 2017.

The current settlement has the City paying a civil penalty of \$1 million that will be split between state of Texas and the United States, along with a Supplemental Environmental Project (SEP) valued at \$600,000. The corrective measures will cost more than \$632 million over the next 10 years and \$885 million over the next 30 years.

Corpus Christi owns and operates six wastewater treatment plants. Performance and operating assessments of the wastewater treatment plants indicate 120 effluent violations since 2007 from its plants. The City repeatedly violated effluent limits set forth in its National Pollutant Discharge Elimination System (NPDES) permit for flow, enterococci, fecal coliform, total suspended solids, biological oxygen demand, ammonia, nitrogen, residual chlorine and pH. The causes of violations include: (1) untreated discharges of sewage from the waste water collection system, (2) failure to comply with operation and maintenance conditions contained in its permits due to discharges, (3) exceedances of effluent limits contained in permits due to discharges, (4) discharges of untreated wastewater into waters of the United States and State waters without a permit, and (5) creating an imminent risk of harm to human health and the environment by causing dangerously high levels of bacteria in recreational waters located in and around the City.

Houston Sanitary Sewer Overflows

On August 7, 2017, the City of Houston submitted a settlement proposal in which it substantially changed the terms of the previously agreed draft consent decree with the Department of Justice and EPA.

The parties had reached a tentative agreement in principle in which Houston will pay a penalty of \$4.4 million that will be split between the State of Texas and the United States and the City will conduct a federal Supplemental Environmental Project (SEP) valued at \$1.5 million. Houston has agreed to corrective action of its sewer collection system and wastewater treatment plants that will likely cost more than \$5 billion over a period of 22 to 27 years. However, the Parties had not agreed to all of the consent decree language, and a small number of language issues remained.

As a result of Hurricane Harvey making landfall on August 26 as a category 4 hurricane and dropping over 50 inches of rain over Houston, the Department of Justice and EPA agreed to be flexible in working with the City of Houston and the state in resuming and completing the on-going settlement discussions.

Performance evaluation in 2009 of Houston's Sanitary Sewer Overflows indicated that Houston has the most extensive Sanitary Sewer Overflow problem in Region 6. In a five-year period, EPA identified more than 18,000 Sanitary Sewer Overflows. The City of Houston owns and operates 40 wastewater treatment plants and is the second largest municipality in the United States with a separate sewer system. The EPA referred the case to the Department of Justice in

Houston has a significantly greater number of Sanitary Sewer Overflows than other large municipalities across the country. In addition to the Sanitary Sewer Overflows, the performance evaluation of the wastewater treatment plants also indicated a large number of effluent violations from many of the Houston WWTPs. As a result, the Region referred the case to the U.S. Department of Justice in January of 2009 to address the Sanitary Sewer Overflow and effluent violations of the Clean Water Act.

The State of Texas is represented by the Texas Attorney General's Office and the Texas Commission of Environmental Quality. Texas has been actively involved in the negotiations; however, there are some consent decree issues that have not been resolved related to State issued permits for two wet weather facilities. These issues are being negotiated and are near resolution.

State and Tribal Water Infrastructure Needs

Every four years, the EPA conducts assessments of infrastructure needs by state to support the Clean Water Act and Safe Drinking Water Act Revolving Loan Funds. The most recent needs reported by EPA to Congress in the "Clean Watersheds Needs Survey - 2012" and the "Drinking Water Infrastructure Needs Survey and Assessment - 2011", are listed in the table below along with the FY 2017 SRF capitalization grant amounts for each state. (Amounts are shown in millions of US dollars.)

State	CWA Needs	FY17 CWSRF Cap Grant	SDWA Needs	FY17 DWSRF Cap Grant
Arkansas	\$715	\$9	\$6,098	\$13
Louisiana	\$320	\$14	\$1,165	\$11
New Mexico	\$4,462	\$6	\$5,323	\$8
Oklahoma	\$2,410	\$11	\$6,494	\$13
Texas	\$11,830	\$61	\$33,892	\$60

Region 6 also works with three Indian Health Service offices to implement allocated State Revolving Fund tribal set-aside funding. The Indian Health Service needs are assessed annually.

In 2107, the Clean Water and Drinking Water total for each of the IHS offices are listed in the table below. (Amounts are shown in millions of US dollars.)

IHS Office	Total CW & DW Needs	FY17 CW Indian Set- Aside	FY17 DW Tribal Set- Aside

Albuquerque (NM & CO Tribes)	\$136	\$1.5	\$1.4
Oklahoma (OK & KS Tribes)	\$94	\$.82	\$.47
Nashville (TX, LA & 26 other States)	\$158	\$0	\$0

OBJECTIVE 1.3-REVITALIZE LAND AND PREVENT CONTAMINATION:

Provide better leadership and management to properly clean up contaminated sites to revitalize and return the land back to the communities.

Abandoned Uranium Mine Wastes

On November 16, 2017, the Office of Inspector General (OIG) for the U.S. Environmental Protection Agency (EPA) provided notification of plans to begin preliminary research to examine aspects of the EPA's management of abandoned uranium mine sites in the Navajo Nation. The OIG characterized needed improvement of the EPA's oversight of states, territories and tribes to accomplish environmental goals as a challenge in its 2017 Key Management Challenges report. This project is included in the OIG fiscal year 2018 annual plan.

The evaluation objectives are to determine whether the EPA has a method for prioritizing cleanup of the 50 abandoned uranium mine sites in the Navajo Nation covered under a \$990 million special account from 2015; and whether the EPA has a resource allocation methodology for the special account funds that accounts for estimated cleanup costs, timeframe for cleanup, and scope of cleanup for the 50 sites. The objective questions are preliminary and subject to change if the OIG moves into the fieldwork phase of the evaluation. The OIG plans to conduct work at EPA headquarters and Regions 6 and 9.

About 70 percent of all the uranium mined in the United States from the 1940's through the 1980's came from the 2,500 square mile Grants Mining District located on Navajo and New Mexico lands. Thousands of exploratory borings or holes were made and hundreds of major uranium mines and mills were active in the District before being abandoned. The legacy of the uranium mining industry is millions of tons of waste rock spread over miles and billions of gallons of contaminated water impacting ground water that continue to pose risks to human health and the environment.

Little funding was available to address the problems presented by the uranium mining boom until the February 2011 Tronox settlement that resolved the environmental liability of the defunct Kerr McGee corporation. The settlement provided \$900 million to address uranium mine contamination at 55 mines located on or adjacent to Navajo Nation lands. A Tronox Multi-Agency Stake- holders Group was formed in 2015 to oversee the implementation of the settlement. Region 6 is in the process of completing removal site evaluations and engineering evaluation/cost analyses on mines to support future prioritization and cleanup of Tronox mines.

Region 6 is also utilizing the National Priorities List (NPL) process at three mining related sites in New Mexico: Homestake Mill Site near Grants, NM; United Nuclear Corporation, near Northeast Church Rock,

NM; and the Jackpile-Paguate mine, near the Pueblo of Laguna village of Paguate, NM. These three NPL sites are undergoing assessment and cleanup work led by potential responsible parties.

Brownfields Program

The Brownfields 2017 National Training Conference is cosponsored by EPA and the International City/County Management Association and takes place December 5 -7, 2017 in Pittsburg, PA.

Since its inception in 2002, the Region 6 Brownfields program has leveraged more than \$2 billion in funds for redevelopment; 1,826 properties have been assessed with most of these properties going back into productive use, benefitting the economies of many communities. More than 16,448 jobs have been created with these leveraged projects.

Region 6 manages a robust Brownfield program that has helped enable the transformation of cities such as Dallas, Houston, Oklahoma City, Little Rock, and others. Opportunities often exceed available grant funding.

In addition to grants, Region 6 offers two programs to help communities get ready for assessment grants or cleanup grants. Region 6 holds one to two Brownfields workshops per state each year hosts an annual Brownfields conference in June. A weekly Brownfields newsletter provides important updates to communities on upcoming competitions and other vital Brownfields information.

Region 6 Brownfield program manages 58 grants in communities throughout Region 6. Some communities with Brownfields grants include: Oklahoma City and Tulsa, OK; West Arkansas Planning District, Southwest Arkansas Planning District, Pine Bluff and Pulaski County, AR; Austin, San Antonio, Houston, TX; and Silver City, NM. Region 6 also has state and tribal grants with Arkansas Department of Environmental Quality, Louisiana Department of Environmental Quality, Oklahoma Corporation Commission, Oklahoma Department of Environmental Quality, Texas Commission on Environmental Quality, Texas Railroad Commission, Intertribal Environmental Commission (OK), Eight Northern Indian Pueblo Council (NM), Kickapoo Tribe of Oklahoma, and Absentee-Shawnee of Oklahoma.

Donna Canal and Reservoir Superfund Site

EPA and TCEQ are developing a coordinated plan to permanently address pollution at the Donna Canal and Reservoir site. The state of Texas is a potential responsible party and cleanup cost will need legislature authorization during the 2018 session.

The Donna Canal and Reservoir Superfund Site is located in Hidalgo County, Texas, near the Texas/Mexico border. The local irrigation district pumps water from the Rio Grande River and transfers the water through several miles of canals for irrigation and drinking water supply. The canal system is contaminated with polychlorinated biphenyls in the surface water, sediment, and fish. Extensive EPA studies have identified the source of contamination as a large, 90-year-old, 1,200-foot-long underground pipe.

The Donna Canal site is contaminated with polychlorinated biphenyls (PCBs) which bio accumulates in fish. The purpose of the fish removal is to prevent human consumption by removing fish that may be contaminated with PCBs from the reservoir and canal system. The fish will be removed from the system by the U.S. Fish and Wildlife Service using electroshocking methods. To date, nearly 40,000 fish have been removed and a public outreach program has focused on informing the public to avoid fishing in the

system. Local residents catch and consume contaminated fish from the canal despite no-fishing orders issued by the state.

Chaco Canyon

In April 2018, as a Cooperating Agency, EPA will review the preliminary Draft Environmental Impact Statement related to Unconventional Oil & Gas production for leased parcels in Chaco Canyon prepared by the Bureau of Land Management. The Draft Environmental Impact Statement is expected to be published for public comment in August 2018.

Bureau of Land Management asked EPA to participate in the development of the EIS as a Cooperating Agency. A federal, state, tribal or local agency having special expertise with respect to an environmental issue or jurisdiction by law may be a cooperating agency. A cooperating agency has the responsibility to: assist the lead agency by participating in the NEPA process at the earliest possible time; participate in the scoping process; develop information and prepare environmental analysis that the agency has special expertise in; and make staff support available. In February 2017, EPA Region 6 agreed to participate as Cooperating Agency. EPA signed a Memorandum of Understanding Between the Department of Interior, Bureau of Land Management, Farmington Field Office and the Bureau of Indian Affairs, Navajo Region to establish expectations.

On January 25, 2017, the Bureau of Land Management (BLM) leased nearly 850 acres of land for UOG development in Chaco Canyon, netting close to \$3 million. The sale had been postponed three times over the last five years because of concerns relating to the proximity to Chaco Culture National Historical Park - a United Nations Educational, Scientific and Cultural Organization World Heritage site and an International Dark Sky Park.

While Chaco Canyon and its ruins, such as Pueblo Bonito, are protected from development, as is a 10-mile buffer around the park, surrounding areas are not. Chaco is the core of a much larger Ancestral Puebloan civilization that extended for hundreds of miles in the central San Juan Basin from about 900 to 1150 A.D. The land today is sacred to Navajo, Hopi, Zuni and other Pueblo Indians, and bears remnants of a system of 30-foot-wide roads radiating outward from Chaco Canyon, as well as extensive ruins, artifacts and even lunar calendars etched into boulders. All of those are still undergoing study by archaeologists.

About 90 percent of the Chaco Canyon area has already been leased for Unconventional Oil & Gas development, and Tribal and Non-Governmental Organizations representatives fought to exclude the remaining areas. They succeeded in delaying this lease sale multiple times over concerns that hydraulic fracturing and horizontal drilling would harm public health and the environment. A petition signed by 650 residents and industry representatives, however, asked the Bureau of Land Management to allow the sale to proceed for the jobs and revenue it would generate.

The leased parcels will not be released to the winning bidders by BLM until several protests filed against the leases have been resolved.

Kirtland Air Force Base, Albuquerque

On June 29, 2017, the Albuquerque Bernalillo County Water Utility Authority released a highly critical report that said the Air Force and the NMED simply don't have enough information about the nature

and extent of plume of aviation fuel and EDB in the groundwater to go forward with even remedial efforts to clean it up

The Air Force, with oversight by the New Mexico Environment Department, has made significant progress characterizing and addressing a large plume of contamination in the Albuquerque area. While additional assessments are needed because of changing conditions, it appears that the plume has stabilized because the water table in Albuquerque has risen, moving the plume back towards the Base. EPA continues to work with New Mexico Environment Department and the Air Force to address comprehensive characterization of the plume, refine concentration trends and address the delineation of vertical and horizontal extent of the contamination.

A long term release of jet fuel and aviation gasoline from underground pipelines at Kirtland Air Force Base in Albuquerque, New Mexico, has resulted in a large plume beneath southeast Albuquerque, near the city's drinking water supply wells, at a depth of 500 feet. The principal contaminant is ethylene dibromide. Ethylene Dibromide B has not been detected in city wells so far, and a groundwater pump and treat system was installed in 2016 as an interim measure under the Resource Conservation and Recovery Act. Health effects from EDB include problems with the liver, stomach, reproductive system, and kidneys, and may increase the risk of cancer. EPA developed the groundwater model now used by New Mexico Environment Department and the Air Force, and the Region continues to support the state by reviewing reports and providing modeling support.

Near term activities are to test and adjust the pump and treat system to protect the drinking water wells. As of September 11, 2017, 263.4 million gallons of water have been treated, and 75.1 grams of EDB have been removed. Long term plans are to eliminate the EDB plume from off-site areas, protect the drinking water supply wells, and address other fuel contaminants near the base property line. Corrective action of the fuel spill is being performed under a RCRA hazardous waste permit issued by New Mexico Environment Department. Kirtland and New Mexico last held public meetings on November 14, 2017.

Waste Isolation Pilot Project, Carlsbad, NM

The Waste Isolation Pilot Project (WIPP) has made tremendous progress since resuming underground operations in January 2017. After a nearly 3 year hold on emplacement, WIPP operations are focused on addressing the nearly 20,000 containers of Transuranic Waste (TRU) across the DOE complex. DOE is working with generator sites to ensure that waste destined for the WIPP meets all new acceptance criteria and robust basis of knowledge evaluations. The Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico, is the only permanent nuclear repository for defense related transuranic (TRU) waste. The WIPP was closed in February 2014 after a radiation release occurred in one of the containers in the underground repository 2150 feet below the surface.

After inspections by DOE, Mine Safety Health Administration, EPA, and the NMED, emplacement of TRU waste to the underground WIPP resumed on January 4, 2017. DOE says emplacement is at a pace to assure compliance with the enhanced safety procedures and characterization process. DOE currently has more than 22,000 containers of TRU waste in storage at DOE sites across the country destined for permanent emplacement at WIPP. Shipments are currently scheduled to the WIPP from Waste Control Specialists in Texas and DOE facilities in Idaho, Oak Ridge, Savannah River and Los Alamos.

Environmental regulation of the Waste Isolation Pilot Plant is the responsibility of New Mexico Environment Department for hazardous waste under the RCRA, with oversight by EPA Region 6. The Office of Radiation and Indoor Air (ORIA) at EPA headquarters is responsible for approving the facility as capable for safely containing radioactive waste under the Land Withdrawal Act and EPA's radioactive waste disposal standards.

Waste Control Specialists, Andrews Texas

Texas Commission on Environmental Quality and EPA are expecting a feasibility report by the Department of Energy by December 31, 2017, that will describe the options for treatment and disposal of transuranic mixed waste currently stored at Waste Control Specialists (WCS). This problematic waste was part of the same waste stream that led to the radiation release at the Waste Isolation Pilot Project in February 2014. Texas Commission on Environmental Quality has made it clear to DOE that it is unacceptable for the waste to remain at Waste Control Specialists.

In April 2014, transuranic mixed waste with hazardous waste was shipped from Los Alamos National Lab to WCS for temporary storage. Waste Control Specialists is a commercial waste treatment, storage and disposal facility located about 30 miles west of the town of Andrews, near the Texas/New Mexico border. Waste Control Specialists is 100 miles from the Waste Isolation Pilot Project in Southeastern New Mexico. This waste would normally have been shipped directly to Waste Isolation Pilot Project for emplacement; however, the Waste Isolation Pilot Project had been closed due to a radiation release in February 2014. It was eventually determined that a portion of the Los Alamos National Lab waste at Waste Control Specialists was part of the same waste stream as the waste that led to the radiation release at Waste Isolation Pilot Project. That portion was segregated at Waste Control Specialists for safety reasons and placed in a landfill.

In 2017 DOE shipped a significant portion of this waste to the WIPP that was able to meet the Waste Isolation Pilot Project's waste acceptance criteria. The remaining portion of the waste, approximately 120 containers out of 462, may require further treatment before it can be shipped. The DOE feasibility study will offer options for treatment and disposal of this waste. Waste Control Specialists is regulated by the Texas Commission on Environmental Quality through their hazardous waste program and by the Nuclear Regulatory Commission. EPA's role is oversight of the Texas Commission on Environmental Quality Hazardous Waste Program.

Takata Airbag Inflator Recall

In November 2017 the State of Texas amended the Clean Harbors, Deer Park Hazardous Waste permit incorporating provisions for disposal of explosives to allow them to accept Takata airbag inflators currently stored in Eagle Pass, Texas, Howell, Michigan, and Joplin, Missouri

Takata has recalled over 60 million airbag inflators due to a defect associated with ammonium nitrate and temperature/humidity cycling of the airbag inflators. Takata has reached storage capacity in warehouses in Michigan (12 million inflators stored) and Missouri (5 million inflators stored). Takata is currently storing recalled inflators at a warehouse in Eagle Pass, Texas, which will reach capacity (5.3 million inflators) in January 2017.

The Department of Transportation (DOT) has issued a Preservation Order that requires Takata to preserve all inflators from U.S. vehicles involved in the recall. EPA does not consider the stored, undeployed inflators to be discarded waste; therefore they are not subject to RCRA at this time. The DOT is reviewing the Preservation Order to allow for the systematic disposal of air bag inflators. Once a subset of inflators is no longer covered by the Preservation Order it would immediately become a hazardous waste, and hazardous waste storage/disposal rules would apply.

Takata is in conversations with disposal facilities in Missouri, Texas, and possibly other states in anticipation of permission being granted to dispose of a significant quantity of the recalled air bag inflators. There are approximately 150,000 lbs. of ammonium nitrate per million inflators. Takata declared bankruptcy in June 2017, and upon exit the Original Equipment Manufacturers (OEMs) will become more responsible for the recall activity.

At EPA's request, Texas Commission on Environmental Quality conducted a site visit to the Eagle Pass storage facility in October 2017, and coordinated with the local Fire Chief on emergency response planning.

Oklahoma Underground Storage Tank Program

EPA has prepared a direct final rule to grant approval of Oklahoma's Underground Storage Tank program. Without adverse comment, the rule will be effective 30 days after publication in the Federal Register.

EPA amended the Underground Storage Tank regulations in 2015. As a result, states need to reapply to EPA for approval of their UST programs. The Oklahoma Corporation Commission has responsibility for the program in Oklahoma. Oklahoma has enacted statutes and developed regulations in accordance with EPA requirements, put other necessary components of the program in place and applied for formal approval. A state program can be approved if it is judged to meet three criteria: it sets standards for eight performance criteria that are no less stringent than federal standards; it contains provisions for adequate enforcement; and it regulates at least the same USTs as are regulated under federal standards.

Oklahoma Coal Combustion Residue Permitting Program

The Oklahoma Department of Environmental Quality has requested review and approval of its permit program pertaining to coal combustion residual (CCR) units. Should the Agency approve Oklahoma's program, it will be the first program approval acted upon by EPA.

There are six Coal Combustion Residue facilities in Oklahoma. The state's application is currently under review by EPA. Oklahoma did not include in its coal combustion residual rules the EPA recommendation of notice and opportunity for public involvement in settlements of civil actions. However, since this recommendation is based on solely on Agency guidance, EPA is evaluating if this should prevent approval of the state's proposed program.

On October 12, 2017 letters were sent to tribal leaders offering consultation and coordination regarding the CCR Permit Program Application from the State of Oklahoma. On October 19, 2017, Region 6 began government-to-government consultation and coordination by having a conference call to answer questions on the CCR program and the Oklahoma application.

On September 14, 2017, EPA granted two petitions to reconsider substantive provisions of the final rule regulating coal combustion residuals (CCR) as nonhazardous waste under subtitle D of the Resource Conservation and Recovery Act (RCRA).

In granting the petitions, EPA determined that it was appropriate, and in the public's interest to reconsider specific provisions of the final CCR rule based in part on the authority provided through the Water Infrastructure for Improvements to the Nation (WIIN) Act. EPA did not commit to changing any part of the rule, or agreeing with the merits of the petition – the Agency simply granted petitions to reconsider specific provisions. Should EPA decide to revise specific provisions of the final CCR rule, it will go through notice and comment period.

OBJECTIVE 1.4-ENSURE SAFETY OF CHEMICALS IN THE MARKETPLACE:

Effectively implement the Toxics Substances Control Act, and the Federal Insecticide, Fungicide, and Rodenticide Act, to ensure new and existing chemicals and pesticides are reviewed for their potential risks to human health and the environment.

Denka Facility

As part of Denka's Administrative Order of Consent with Louisiana Department of Environmental Quality, the company agreed to install control technologies to reduce emissions of chloroprene at the facility. Once these control devices are in place in December 2017, EPA will be closely evaluating the emissions and collecting data that would inform a technology review of this source category.

Our primary objective is to reduce emissions in the near term. Installing control technologies will meet this objective faster than the regulatory timeframe. The Clean Air Act section 112 lays out a schedule that requires both a risk and a technology review within eight years of issuance of a Maximum Achievable Control Technology standard. The law requires a technology review every eight years thereafter.

There is no federal air standard for chloroprene emissions. EPA relies on the Integrated Risk Information System for Chloroprene which as revised in 2010 to 0.2 ug/m³ using information that chloroprene is likely to be carcinogenic to humans. The Agency has received a formal Information Quality Correction Request regarding the assessment of chloroprene. This matter is currently under review. As such, EPA is commenting on the Integrated Risk Information System value at this time.

The Denka Performance Elastomer (Denka) facility, located in LaPlace, Louisiana, is the only place in the United States currently manufacturing neoprene. EPA became aware of the potential risk associated with the facility's emissions of chloroprene, a primary chemical used in the manufacture of neoprene, in December 2015 as a result of EPA's National Air Toxics Assessment (NATA).

EPA continues to monitor ambient air in the neighborhoods surrounding the facility and release data on its website. Chloroprene concentrations continue to be elevated. The state has requested EPA to continue to conduct air monitoring for one year following the thermal oxidizer installation.

New Mexico Department of Health Lead Program Authorization

New Mexico Department of Health studying the feasibility of adopting the federal lead based paint program using a \$50,000 grant from EPA. Adoption by New Mexico will require new state legislation, and could take 3-5 years to complete.

Region 6 began a dialogue with the New Mexico Department of Health Epidemiology Department in November 2016 to discuss New Mexico adopting the Lead Based Paint Program. NMDH has the Centers for Disease Control Lead Grant now, and is building capacity to adopt the EPA Lead Certification programs.

Los Alamos Municipal Separate Storm Sewer Systems Designation

EPA was petitioned to designate unregulated storm water discharges in Los Alamos County, NM as contributing to violations of water quality standards. Region 6 has primacy for the National Pollution Discharge & Elimination System program in New Mexico. EPA plans to make a final designation decision concurrently with issuance of a Municipal Separate Storm Sewer System permit for Los Alamos area in late 2018.

Los Alamos County leaders and the Department of Energy, the federal agency managing Los Alamos National Laboratory, requested EPA to not designate the area. Local tribal leaders support the designation.

The petition cites EPA's duty to issue a Municipal Separate Storm Sewer System permit to control urban storm water discharges from Los Alamos National Laboratory and Los Alamos County. In August 2017, EPA denied the Santa Fe-based Concerned Citizens for Nuclear Safety petition to terminate Outfall 051 from Los Alamos National Laboratory's NPDES water discharge permit. The petition alleged that since Los Alamos National Laboratory does not normally discharge from this outfall, continued authorization under the National Pollution Discharge & Elimination System permit improperly provides an exemption from regulation under Resource Conservation Recovery Act.

Several ephemeral and intermittent waters in the Los Alamos area are listed as impaired for one or more pollutants including PCBs, gross alpha, aluminum, copper, zinc, arsenic, selenium, thallium, and mercury.

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Rebalance the power between Washington and the states to create tangible environmental results for the American people.

OBJECTIVE 2.1-ENHANCE SHARED ACCOUNTABILITY:

Improve environmental protection through joint governance and compliance assistance among state, tribal, local, and federal partners.

US-Mexico Border Program: 2020

The 1983 La Paz Agreement contains an organizational structure of coordinating bodies that includes U.S., tribes and states' executive officers and chairmanship, chaired by EPA's Regional Administrator and Mexico's federal delegate. They convened as a Regional Work Group (RWG) with a primary function to identify and prioritize regional implementation efforts that address the goals and objectives of Border

2020 (B2020). Region 6 has two RWGs: New Mexico-Texas-Chihuahua and Texas-Coahuila-Nueva Leon-Tamaulipas.

Border 2020, the latest environmental program implemented under the 1983 La Paz Agreement, is an 8-year, bi-national environmental program for the U.S.-Mexico border region which began in 2012. The program was developed by EPA and SEMARNAT, the U.S. border tribes, and the environmental agencies from each of the ten U.S. and Mexico border States. The mission of the Border 2020 program is to protect the environment and public health in the US-Mexico border region consistent with the principles of sustainable development. The program also encourages meaningful participation from communities and local stakeholders.

The Presidents of the United States and Mexico signed the Border Environment Cooperation Commission and North American Development Bank Agreement in November 1993, which created a bi-national program that develops and funds environmental infrastructure projects for communities along the border. The projects include drinking water access, wastewater treatment, municipal solid waste, improving air quality, and water management among others. The Border Environment Cooperation Commission is responsible for working with communities on project development; the North American Development Bank Agreement provides financing and helps arrange other public and private sector funding.

The integration of Border Environment Cooperation Commission and North American Development Bank was approved by the U.S. and Mexican governments, with entry into force of the amended Charter in September of 2017. Border Environment Cooperation Commission merged with NADB and all Border Environment Cooperation Commission grants, contracts and other arrangements must be legally transferred to North American Development Bank in anticipation of the institutional integration. They have a joint Board of Directors, composed of members from the U.S. Department of Treasury, Department of State, U.S. EPA, and their Mexican counterpart agencies, as well as state and public representatives.

US-Mexico Border Program: Border Water Infrastructure Program Grants

The U.S./Mexico Border Water Infrastructure Program is working with the North American Development Bank, other federal and state partners, as well as Mexico's CONAGUA federal water commission to request project applications under a new Prioritization Cycle fiscal year 2018 (Oct 2017 to Sept 2018). A number of changes to previous prioritization process will allow the program to accept applications year-round and assess project selection throughout the year, therefore being able to maintain a portfolio of projects in development as well as construction. An additional 11 projects in development are expected to initiate construction during fiscal year 2018. These projects will supplement 10 projects currently in construction.

The U.S./Mexico Border Water Infrastructure Program was started with an open project application process that provided technical assistance and construction funding on a first come, first serve basis, however in 2005, EPA in collaboration with Border Environment Cooperation Commission, North American Development Bank (NADB) and Mexico's federal water commission initiated a 2-year project solicitation process to prioritize projects to address human health and environmental issues.

EPA provides funding in the form of the Project Development Assistance Program (PDAP) for project planning, studies, development, environmental process review clearance and final design and funding in the form of the Border Environment Infrastructure Fund for construction assistance.

Many border communities are financially disadvantaged and cannot bear the debt burden necessary to build or rebuild water infrastructure through conventional channels. Significant progress is being made in providing these communities with essential drinking water and wastewater services. However, there remains a substantial documented need for additional services. During EPA's most recent "solicitation of need", it was estimated that a construction cost of approximately \$300 million remains unfunded in order to address the highest priority water and wastewater projects.

In 1994, the United States Congress provided \$100 million to EPA as part of the State and Tribal Assistance Program appropriation to support communities along the U.S./Mexico Border area within 62 miles (100 Km) on each side of the border. Since then, Congressional State and Tribal Assistance Program annual appropriations to EPA totaled over \$700 million. These funds were identified to support high priority drinking water and wastewater infrastructure to strengthen local capacity and strategically address environmental issues in the U.S./Mexico Border area at a community level. The Border Water Infrastructure Program funds construction projects that prevent millions of gallons of raw sewage from entering border region waters, significantly reducing risks to public health and the environment in the United States. Benefits to the United States also include minimizing the potential exposure to or spread of diseases through the provision of safe drinking water services and improving the quality of our shared waterways for recreational and other designated beneficial uses. Construction of these structures stimulates local economies and creates new jobs in these depressed communities.

Children's Environmental Health in the U.S. Border States of Texas and New Mexico

EPA funds activities that address children's health through requests for proposals and partnering with the Southwest Center for Pediatric Environmental Health (SWCPEH). EPA recently launched a children's Request for Proposal for funding in October 2017. Region 6 intends to announce awards to New Mexico Department of Health, Texas A&M and Texas Tech in December 2017.

Improving children's health is fundamental to EPA's mission, and one of the fundamental strategies under the Border 2020 Environmental Program. Children along the border in Texas and New Mexico are impacted by high rates of asthma, obesity exposures to pesticides, chemicals, mercury, lead, vector borne diseases and poor water and air quality, among others. Children are more vulnerable to pollutants than adults due to differences in behavior and biology. U.S. border communities often face a great public health threat because of lack of basic services and adequate infrastructure, illegal dumping, substandard housing, lack of public spaces or parks, and other economic hardships.

The US-Mexico Border Program and EPA's Office of Children's Health funds grants to educate health workers who work directly with U.S. border communities on children's health issues. Trainings reached more than 100 people in three U.S. border communities in 2016, and focused on the Healthy Homes Curriculum and water-borne illnesses. EPA held two Children's Environmental Health Symposiums (El Paso, Texas – September 2015; Brownsville, Texas – August 2016) attended by over 280 participants. The symposiums focused on: 1) education on how early childhood exposure can affect children's health; and 2) networking among the healthcare community and the public in order to better understand children's environmental health risks along the U.S.-Mexico Border.

Environmental Justice Forum

In June 2018, Region 6 is planning to host a region-wide environmental justice forum to discuss solutions to environmental justice community concerns. The Environmental Justice Forum will bring together state officials, community representatives, and local governments, and representatives from our state environmental agencies as part of an on-going strategy to understand community concerns and educate communities on environmental impacts.

Beginning in 2013, we held environmental justice workshops in each of the five states (Arkansas, Louisiana, New Mexico, Oklahoma, and Texas) that culminated in the Environmental Justice Summit that was held in Dallas in 2016. Each of the state workshops and the Summit brought together grassroots organizations and partners, academia, local officials and government representatives to better understand concerns and challenges facing environmental justice communities. Participants discuss strategies and best practices for healthy communities and a collaborative action plan that addresses regional and state-wide environmental justice priorities. Each of our state environmental agencies have a program similar to EPA's environmental justice program.

On February 6, 2017 [the](#) Environmental Conference of States issued a report, titled "State Approaches to Community Engagement and Equity Considerations in Permitting," highlights efforts by Tennessee, California, New York, South Carolina, Mississippi and Minnesota to integrate EJ into their environmental permits, though it cautions that regulators' discretion in that area can be limited both by the terms of the Civil Rights Act's Title VI and state laws. The EPA released the Environmental Justice 2020 Action Agenda in October 2016. The final document incorporates relevant input from Environmental Conference of States, which represents many state environment agencies.

In October 2017, EPA announced nearly \$1.2 million in competitive grants selected for award to 36 locally-based community and tribal organizations working to address environmental justice issues in their communities. The grants enable organizations to conduct research, provide education, and develop community-driven solutions to local health and environmental issues in minority, low-income, and tribal communities. Region 6 received 4 grants. The ARC Foundation seeks to train up to 200 Oklahoma City residents on affordable water conservation practices for home use, as well as to bring more awareness to the community about the need to protect its natural water resources. Arkansas Interfaith Power & Light proposes to renovate and repurpose an abandoned building and lot to become a local community center where individuals in at-risk areas of Little Rock will be introduced to holistic solutions to local energy production and healthy food alternatives. Sandia Pueblo camps seek to address surface water impairment on the 19 Pueblo reservations by providing water quality monitoring trainings and improving educational outcomes for tribal youth in New Mexico. In New Orleans, T.R.E.E.'s Sunship III program brings 7th grade students from local, low-income schools to the outdoor classroom.

In order to ensure the most underserved and overburdened communities have a meaningful say in environmental protection and regulation, the Office of Environmental Justice moved to the Office of Policy in September 2017. The Office of Environmental Justice works in partnership with the Office of Sustainable Communities, which was renamed the Office of Community Revitalization, to support meaningful engagement and public participation across the agency and lead federal level coordination to consider overburdened community needs and the application of federal resources to meet those needs.

Osage County Underground Injection Control Program

Region 6 continues issue and enforce compliance orders to require underground injection wells contributing to over pressurization of the subsurface zones to shut-in, and align operator permit and reporting requirements in Osage county with the requirements in other areas of the state.

Based on the Osage Allotment Act of 1906, the Osage Nation owns all subsurface mineral rights within Osage County (the largest county in Oklahoma at 2,304 mi²). The Osage Minerals Council develops and administers the Osage Mineral Estate. The Bureau of Indian Affairs, under delegation from the Secretary of the Interior, administers oil and gas resources in Osage County for the benefit of the Osage Nation. The Osage Minerals Council must consent to leases and the BIA Superintendent approves them. Since Osage County is Indian Country, EPA administers the Underground Injection Control program with assistance from the Osage Nation, per a Memorandum of Agreement.

In August 2016, Bureau of Indian Affairs alerted EPA to elevated levels of Total Dissolved Solids (TDS) (over 80,000 parts-per-million) in an upper tributary of North Bird Creek. The water supply for the city of Pawhuska, about 15 miles downstream, has not been impacted. After collecting a variety of data from three operators of seven injection wells, EPA issued orders requiring the wells be shut-in. EPA held a hearing on October 11, 2017, related to proposed Administrative Orders sent to Warren American Oil Company, Jireh Resources LLC, and Novy Oil and Gas, Inc. All three respondents believe the contamination is a one-time occurrence and dispute EPA's contention that the Mississippi Chat is over-pressurized. EPA continues to monitor for any possible impacts to downstream users.

Two significant earthquakes (Magnitude 5.8 on 9/3/2016 and Magnitude 4.3 on 11/1/2016) highlighted areas of concern within Osage County. EPA, working closely with Oklahoma Corporation Commission, Osage Nation Minerals Council, Osage Nation, US Geological Survey and Bureau of Indian Affairs, responded consistently with the Corporation Commission response strategy and quickly to these events to shut in, reduce or cap injection volumes in the appropriate disposal wells.

In an effort to strengthen Underground Injection Control permits for oil and gas related injection wells in Osage County, Ok, the Region has developed new permit conditions under its direct implementation program for Osage. The new requirements are consistent with permit conditions currently required under the Oklahoma Corporation Commission's injection well program. These include requirements for daily monitoring of injection pressures and volumes, and earthquake contingencies that would automatically require reduced injection volume or well shut-down if a nearby earthquake occurs. We plan to include these requirements in all new Osage UIC permits and to modify existing permits in a phased approach during calendar year 2018.

Oil & Gas Collaboration

Region 6 is organizing a series of meetings with our state regulatory partners to discuss coordination in addressing issues and concerns related to the oil and gas industry. We will be travelling to each state capital over the next 6 to 8 weeks to meet jointly with the lead state environmental and state oil & gas regulatory agency. This effort is in support of Administrator Pruitt's July 2017 commitment for increased coordination and collaboration.

Another aspect of Administrator Pruitt's commitment is to convene a roundtable with representatives of the oil and gas sector and state regulatory agencies to discuss industry concerns and enhance

communication while ensuring safe and responsible domestic oil and gas production. EPA has been working with the Environmental Council of State (ECOS) and the Interstate Oil and Gas Compact Commission (IOGCC), which represent the state agencies that regulate the industry, to co-host the Oil and Natural Gas roundtable. The roundtable will bring together a small group of representatives from state agencies, tribes, industry, non-government organizations, and EPA. The discussions will focus on barriers to cost-effective and timely compliance, meaningful solutions and innovative examples.

In response to inquiries from state oil & gas regulatory agencies and individual companies, EPA has been examining technical innovations that would facilitate produced water management options beyond traditional disposal approaches. It is thought that these alternatives will address concerns raised by the public about the use of scarce water resources in times of draught and potential induced seismicity from disposal wells.

Revitalizing Communities by Growing Local Food Economies

On November 21, 2017, EPA recognized the outstanding accomplishments of 16 winners participating in EPA's Food Recovery Challenge. The data-driven award recipients achieved the highest percent increases in their sector comparing year to year data. Region 6 had 3 winners: Colleges and Universities: University of Houston (Houston, Texas), Sports and Entertainment Venues: Kay Bailey Hutchison Convention Center Dallas (Dallas, Texas), and Restaurants and Food Service Providers: Café de Novo (Dallas, Texas).

The Local Foods, Local Places program was established in December 2014 as a national initiative that helps people create walkable, healthy, economically vibrant neighborhoods through local food enterprise. The program, sponsored by the U.S. Department of Agriculture, the U.S. Environmental Protection Agency, the Centers for Disease Control and Prevention, the DOT, the U.S. Department of Housing and Urban Development, the Appalachian Regional Commission, and the Delta Regional Authority, selected 24 communities to participate in Local Foods, Local Places in 2017. In 2017, federal partners are investing \$810,000 in Local Foods, Local Places.

In Region 6 the Louisiana State University Agriculture Center in Tallulah, Louisiana, will connect ongoing community efforts around physical fitness, access to healthy food and downtown revitalization. The Downtown Albuquerque Main Street Initiative in Albuquerque, New Mexico, plans to transform a vacant building in a struggling part of downtown into a community kitchen and local food hub to provide vocational opportunities for local farmers and food entrepreneurs, improve nutrition and food access for residents, and help attract investment to the area.

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Another aspect of Administrator Pruitt's commitment is to convene a roundtable with representatives of the oil and gas sector and state regulatory agencies to discuss industry concerns and enhance communication while ensuring safe and responsible domestic oil and gas production. EPA has been working with the Environmental Council of State (ECOS) and the Interstate Oil and Gas Compact Commission (IOGCC), which represent the state agencies that regulate the industry, to co-host the Oil and Natural Gas roundtable. The roundtable will bring together a small group of representatives from state agencies, tribes, industry, non-government organizations, and EPA. The discussions will focus on barriers to cost-effective and timely compliance, meaningful solutions and innovative examples.

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GOAL 3- THE RULE OF LAW AND PROCESS:

Administer the law, as Congress intended, to refocus the Agency on its statutory obligations under the law.

OBJECTIVE 3.1-COMPLIANCE WITH THE LAW:

Enforce environmental laws to correct noncompliance and promote cleanup at contaminated sites.

San Jacinto River Waste Pits Superfund Site

EPA is working with the Department of Justice and responsible parties on a special notice and is negotiating a consent decree that will facilitate the specific design for work at the site. EPA plans to meet with the responsible parties in early December.

On October 11, 2017, Administrator Pruitt signed the Record of Decision for this site calling for excavation and off-site disposal of dioxin wastes at a cost estimate of \$115 million. Negotiations are expected to take six to 12 months in working with the responsible parties. The design activities can take as long as another six to 12 months and then work will start. A public meeting to discuss the Record of Decision and provide a site update is scheduled for December 4.

Following Hurricane Harvey, EPA conducted an assessment of the site to determine the extent of damage caused by the storm, and the potentially responsible parties found erosion of the river bottom adjacent to the temporary armored cap. The survey of the San Jacinto riverbed found erosion of the river bottom up to 12 feet deep near the cap. The total area of river bottom eroded in the vicinity of the cap was over 20,000 square feet. The stabilization work approved today includes placement of a geotextile fabric layer covered with at least three feet of rock with a median diameter of eight inches. EPA directed the potentially responsible parties to stabilize a 40-foot by 400-foot area adjacent to the east side of the cap to prevent future undermining of the armored cap. The temporary armored cap has not been damaged in this area.

On September 28, shortly after Hurricane Harvey, EPA received preliminary data from sediment samples collected by EPA's dive team from 14 areas at the site. Samples from one of the 14 areas confirmed the protective cap had been damaged and the underlying waste material was exposed. Repairs to add armored rock to the cap were completed shortly after the sampling was conducted. All repairs to the damaged cap from the storm are now complete. EPA directed the potentially responsible parties to collect additional samples near the damaged area, and sampling has also been completed. Six additional samples were collected and preliminary results did not show elevated levels of dioxins in nearby sediments.

The San Jacinto River Waste Pits Superfund Site is situated east of Houston, Texas. Pits were built in the mid-1960s along the banks of the San Jacinto River and used for disposal of pulp wastes containing

dioxins. The waste pits are partially submerged in the river due to regional subsidence. A temporary armored cap was completed in 2011 under an EPA order to prevent continuing releases and direct contact with the waste material.

Petition to Withdraw Texas's Federally Approved/Authorized Permitting Programs

On January 11, 2016, the Environmental Defense Fund and Caddo Lake Institute filed a Petition for Administrative Action asking EPA to withdraw National Pollution Discharge Elimination System permitting authority under the Clean Water Act from Texas Commission on Environmental Quality and requesting that EPA find Texas's New Source Review permitting program under the Clean Air Act substantially inadequate. There is no statutory or regulatory deadline to complete the informal investigation. At some point the petitioners may seek to have the Federal Court set a schedule for an EPA decision on the petitions.

The Petition alleges that amendments adopted by Texas in 2015 to the state's contested case hearing process restrict public participation in the permitting process contrary to Texas's federally approved/authorized permitting programs by 1) restricting the public's ability to obtain judicial review of permitting decisions, 2) reducing opportunities for public participation by increasing the burden on permit opponents in a contested case hearing, and 3) providing inadequate resources for implementation and enforcement of the Clean Water Act and Clean Air Act.

The Petition and the revisions themselves also highlight a broader NPDES, Title V, and New Source Review authorization issue. EPA based its 1998 authorization of the Texas Clean Water Act program upon a finding that participation in a contested case hearing was not a prerequisite to judicial review. Texas made the same assertion during EPA's approval of Texas's Title V and New Source Review programs under the Clean Air Act. EPA is working with the state to understand the meaning of recent state court decisions, as well as statements made by the Texas Attorney General, which may call into question the adequacy of public participation in the state's programs. EPA has begun an initial, informal investigation into the allegations in the Petition. The objective of this investigation, which is provided for under the Clean Water Act and EPA's implementing regulations, is to gather enough information to reach a preliminary assessment as to whether cause exists to initiate formal withdrawal proceedings.

OBJECTIVE 3.2-CREATE CONSISTENCY AND CERTAINTY:

Outline exactly what is expected of the regulated community to ensure good stewardship and positive environmental outcomes.

EPA Regional Sustainability Environmental Sciences Research Program (RESES) Project

Both solids and liquids from about 90 dairy farms is washing out of lagoons, directly into adjacent streams, creating water quality impairments in several parishes in Louisiana. These small farmers recognize this current condition is not acceptable and EPA is helping them find ecologically effective and economically viable options to update or replace outdated management lagoon systems.

As dairy waste overflows from the lagoons into nearby bodies of water, excess nutrients and fecal bacteria enter these surface waters, leading to impairment. Sediments may also contain heavy metals, pesticides and antibiotics.

Most of these lagoons were constructed over 20 years ago and were built to intercept and capture these dairy operation waste streams and runoff from the walk-up area in order to protect down gradient, downstream water quality. Through the course of many years these lagoons have filled with solids, thus reducing storage capacity. Many of them have fallen into disrepair and are overgrown with vegetation and mature trees that further impede the proper functioning of these systems. The absence of lagoon dewatering and irrigation equipment has created a condition where most of these lagoons are overflowing their tops and allowing this waste to directly flow into adjacent surface water ways and thus move down gradient impacting the water quality of these receiving water bodies.

With the short supply of contractors attempting to rehabilitate the dairy lagoons, farmers are often subject to waiting years before any help arrives. EPA has also learned that several farmers have submitted applications to close down their operations, and others that have already shut down, have likely not been properly decommissioned.

EPA, Louisiana Department of Environmental Quality (LDEQ), Natural Resources Conservation Service (NRCS), Louisiana State University Ag Center (LSU), Louisiana Department of Health (LDH), Louisiana Department of Agriculture and Forestry (LDAF) are planning several workshops with dairy farmers to provide direct assistance.

Macy's Retail Holdings, Inc.

Over the next year, Macy's will develop a program to train an estimated 400 retailers in Oklahoma and Texas on how to comply with hazardous waste requirements. Live training events held in Oklahoma and Texas and will also be recorded to create a webinar version that can be shared to Macy's locations nationwide. After completing the 11 third-party audits of its largest facilities, Macy's will share results with more than 620 locations outside the region with instructions to review the issues and address noncompliance. Macy's will also promote the training webinars and recorded sessions to appropriate personnel nationwide.

Based on the average rate of hazardous-waste generation at the 44 stores involved in the settlement, EPA estimates that Macy's may manage about 1.2 million pounds of hazardous waste nationwide per year. EPA announced a settlement with Macy's over violations of hazardous waste regulations. In addition to correcting violations, Macy's will also develop a program with the capacity to train 400 retailers in Oklahoma and Texas, and conduct third-party audits at 11 of its largest facilities within Texas, Oklahoma, Louisiana and New Mexico, among other required actions. The company will also pay a \$375,000 civil penalty within 30 days of the effective date of the settlement, and must comply with all other requirements within one year.

EPA found Macy's had violated the Resource Conservation and Recovery Act (RCRA), the federal law that regulates hazardous and solid wastes, for several periods during 2012-2015. During these times, each Macy's store identified in the settlement generated thousands of pounds of hazardous waste to qualify as a small-quantity generator but failed to notify EPA and state authorities. Macy's also failed to meet the conditions for small-quantity generator status and did not complete appropriate manifests. Overall, Macy's generated more than 269,168 pounds of hazardous waste from 2012-2015 for the 44 locations identified in the settlement.

The Resource Conservation and Recovery Act, passed by Congress in 1976 gives EPA the authority to control hazardous waste from "cradle-to-grave." RCRA sets national goals for protecting human health

and the environment from the potential hazards of waste disposal, conserving energy and natural resources, reducing the amount of waste generated, and ensuring wastes are managed in an environmentally sound manner.

OBJECTIVE 3.3-PRIORITIZE ROBUST SCIENCE:

Refocus the EPA's robust research and scientific analysis to inform policy making.

Illinois River Multijurisdictional Nutrient Modeling Effort

The \$1.5 million modeling effort relies on two highly specialized computer models – a watershed and lake model – and is designed to reproduce conditions within the watershed. While the watershed model has been completed, the lake model met delays earlier this year and is delayed until April 2018.

Pollution controls in this two-state jurisdiction have been controversial for many years. As the Attorney General for Oklahoma, Scott Pruitt worked with his counterpart in Arkansas to reach agreement to study the water quality of the Illinois River that crosses between the two states and has been enjoyed by generations of Oklahomans and Arkansans. The Statement of Joint Principles provided for a best science study using EPA-approved methods, with both states agreeing, for the first time, to be bound by the outcome.

Oklahoma and Arkansas agencies have provided detailed comments on the modeling efforts to date. The EPA regional staff have reviewed and made modifications to the model calibrations in an effort to address stakeholder concerns and continues to strive to achieve consensus among the principals as to the utility of the watershed and lake models.

EPA continues developing technically robust and scientifically defensible water quality models of the Illinois River Watershed in northeast Oklahoma and northwest Arkansas. Once completed, the data can be used to help derive Total Maximum Daily Loads for the watershed and reduce nutrient loadings in the watershed. The watershed is currently impaired as a result of nutrient loadings from municipal discharges and nonpoint sources (e.g., agricultural runoff).

Since 2009, EPA has been funding, on-behalf of our regulatory partners from both Oklahoma and Arkansas, the development an agreed upon scientific model to use in developing TMDLs or other load reduction approaches where needed. EPA plans to release the revised water quality models for public review and comment.

Some business sectors including the poultry industry is concerned that the modeling and possible subsequent Total Maximum Daily Loads would adversely affect the land application of poultry litter in the watershed and provide a target loading for nonpoint reductions.

OBJECTIVE 3.4-STREAMLINE AND MODERNIZE:

Issue permits more quickly and modernize our permitting and reporting systems.

Treatment as a State Lean Project

Region 6 has created a Lean project team comprised of EPA Region 6 and tribal environmental staff members working to reduce the time required for approval of tribal applications to implement water quality standards programs.

The Clean Water Act, Safe Drinking Water Act, and Clean Air Act emphasize the role of states in protecting the environment and public health and allow EPA to authorize states to implement their own programs in lieu of the federal program (referred to as program authorization). From 1986 to 1990, Congress amended these three acts to authorize EPA to treat pueblos and tribal nations in a similar manner as a state for purposes of program authorization.

Under EPA's implementation of the Clean Water Act, a tribe may submit a request to EPA for Treatment as a State status and a request for approval of its adopted water quality standards, either separately or at the same time. Section 518 of the Clean Water Act lists the eligibility criteria EPA will use to approve Treatment as a State status and to authorize Indian tribes to administer Clean Water Act programs.

Region 6 currently has 13 pueblos and tribal nations that have achieved Treatment as a State status for water quality standards, and 11 pueblos have federally approved water quality standards.

The last four Treatment as a State applications for water quality standards have taken more than two years to approve, and a current Clean Air Act grant Treatment as a State application is approaching two and a half years for approval.

OBJECTIVE 3.5-IMPROVE EFFICIENCY AND EFFECTIVENESS:

Provide proper leadership and internal operations management to ensure that the Agency is fulfilling its mission.

Lead Region for Information Technology

For Fiscal Years 2017 and 2018, Region 6 is serving as the Information Technology Lead Region. On a two-year rotating basis, a regional office is designated by the Office of Environmental Information (OEI) as the Information Technology (IT) Lead Region to support OEI in its implementation of the Agency's information technology/information management priorities.

The Lead Region for Information Technology is responsible for representing all EPA Regions in discussions and decision-making processes, and for communicating the Agency's Information Technology/Information Management Strategic Advisory Committee recommendations, decisions, and implementation requirements to the other Regions.

A bi-weekly teleconference is held with the Agency's Chief Information officer, Deputy Regional Administrator (DRA), and the Region 6 Senior Information Officer to establish IT/IM priorities, review progress on initiatives, discuss related issues, and make decisions of Agency-wide significance. Cybersecurity and IT/IM budgeting issues are also considered. Decisions made in these meetings are subsequently communicated by Office of Environmental Information and the Lead Region through the governance structure.

The Lead Region system was established in 1984 to provide an organized, facilitative, and consistent mechanism for EPA HQ and the ten regional offices to interact together. The system enhances EPA's

ability to protect human health and the environment and is at the forefront of HQ initiatives in soliciting regional input on Agency decisions, incentivizing participation, and leveraging effective communication.

EPA Lab Study

Region 6 has one of 6 regional laboratories that occupy space leased from private companies. The Houston Environmental Laboratory lease expiration date is June 30, 2020.

EPA has announced decisions not to renew developer-leased laboratories in Region 4 and 8 and consolidate in government-owned facilities. The four remaining labs' leases are facing expirations over the next few years and are currently being evaluated and the announced is expected in January 2018.

The laboratory is a full service analytical laboratory providing routine and specialty environmental analytical services for air, soil, water, and drinking water samples.

Options for the future of the Houston Environmental Laboratory are currently being developed in collaboration with Office of Administration Resource Management. There is a great benefit of having the lab located in Houston due to the major Gulf Coast industrial presence and the ability to provide assistance during natural disasters that are common along the Gulf Coast. A recent example of this important function is the service it provided in responding to Hurricane Harvey.

Region 6 will need laboratory space for support of analytical services, and office/cube space for program personnel and contractors. There are 33 FTE assigned to our lab unit, 10 FTE from other business units and 10 contractors that support the facility with analytical services, security, records management, IT support and administrative assistance. Additional considerations include provision for a Hazardous Materials Storage area, loading dock, and parking for the lab's fleet vehicles, trailers, and mobile labs, all contained within a secure fence. We estimate we will need 10,000 square feet for personnel/program/mission support (this includes circulation) and an additional 16,000 square feet for the laboratory functions.

In December 2012, EPA began a study of its laboratory enterprise to identify opportunities to increase efficiency and effectiveness while ensuring the agency's ability to continue to provide the preeminent research, science, and technical support critical to advance our mission.